

ABSTRACT

5 A siliceous support for use in a catalyst for
producing a lower aliphatic carboxylic acid ester by
reacting a lower olefin with a lower aliphatic carboxylic
acid in a gas phase, which has a silicon content of from
39.7 to 46.3% by mass or a silicon content of from 85 to
99% by mass in terms of silicon dioxide or a crush
strength of 30 N or more. By the use of a catalyst
10 comprising the support, a lower aliphatic carboxylic acid
ester is produced from lower olefin and a lower aliphatic
carboxylic acid without causing great reduction of
catalytic activity or cracking or abrasion of the
catalyst.